

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A method for providing mobility within a network comprising the ~~step~~ steps of:

transferring an anchor point, comprising

setting up another anchor point; and

~~a remote system~~ transmitting an OSPF link state advertisement at predetermined intervals.

2. (Currently Amended) The method of Claim 1, wherein said link advertisement contains:

a low cost associated with the routing of packets having an IP address of said remote system; and

an age field that is set to a value lower than ~~[[a]] the~~ maximum age.

3. (Currently Amended) A remote terminal apparatus for providing mobility within a network comprising:

a component adapted to transfer an anchor point that sets up another anchor point; and transmits advertisements at predetermined intervals;

wherein said advertisements indicate that packets having a destination IP address equal to that of the IP address of said remote terminal should be delivered to said remote terminal; and

wherein the age field of said advertisements are lower than ~~[[a]] the~~ maximum age.

4. (Original) The apparatus of Claim 3, further comprising a user interface that allows the intervals at which said link advertisements are transmitted to be changed.

5. (Original) The method of claim 4, wherein said advertisements are OSPF link state advertisements.

6. (New) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

deactivating resources associated with said anchor point; and
initializing said another anchor point.

7. (New) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

changing intervals at which said link advertisements are transmitted.

8. (New) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

9. (New) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

deactivating resources associated with said anchor point;

initializing said another access point;

changing intervals at which said link advertisements are transmitted;

setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

10. (New) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

deactivate resources associated with said anchor point; and
initialize said another anchor point.

11. (New) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

change intervals at which said link advertisements are transmitted.

12. (New) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

set a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

send an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

13. (New) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

deactivate resources associated with said anchor point;

initialize said another access point;

change intervals at which said link advertisements are transmitted;

set a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

send an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

14. (New) A means for providing mobility within a network comprising:

means for transferring an anchor point, comprising:

means for setting up another anchor point; and

means for transmitting an OSPF link state advertisement at predetermined intervals.

15. (New) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for deactivating resources associated with said anchor point; and
means for initializing said another anchor point.

16. (New) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for changing intervals at which said link advertisements are transmitted.

17. (New) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

means for sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

18. (New) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for deactivating resources associated with said anchor point;

means for initializing said another access point;

means for changing intervals at which said link advertisements are transmitted;

means for setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a network; and

means for sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.